

REMARKS

This Application has been carefully reviewed in light of the Office Action mailed September 15, 2006 ("Office Action"). Claims 1-12 are pending in the Application. The Office Action rejects Claims 1, 2, 8, and 9, and objects to Claims 3-7 and 10-12. Applicant has amended Claims 1, 3-8, and 10-12, and cancelled Claims 2 and 9. Applicant has added Claims 13 and 14. Applicant respectfully requests reconsideration and full allowance of all pending claims.

Section 102 Rejections

The Office Action rejects Claims 1, 2, 8, and 9 under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,502,499 issued to Birch et al. ("*Birch*"). Applicant respectfully traverses these rejections. However, in order to expedite prosecution, Applicant has cancelled Claims 2 and 9, and amended Claims 1 and 8 to include most of the limitations recited in objected to Claims 3 and 10, respectively. *Birch* fails to disclose, expressly or inherently, at least "a digital accumulator having a first input responsive to a frequency coefficient, having a second input, and having an output coupled to said second input; a digital adder having a first input responsive to a phase coefficient, having a second input coupled to said output of said accumulator, and having an output; a digital sine generator having an input coupled to said output of said adder, and having an output, said sine generator producing at said output thereof a value which is the sine of a value at said input thereof; and a digital multiplier having a first input responsive to an amplitude coefficient, having a second input coupled to said output of said sine generator, and having an output." For at least this reason, amended Claim 1 is allowable. For analogous reasons, amended Claim 8 is allowable. Reconsideration and favorable action are requested.

Allowable Subject Matter

The Office Action objects to Claims 3-7 and 10-12 as being dependent upon a rejected base claim, but indicates that the claims would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening

claims. Claims 3 and 10 have been amended to include all the limitations of the base claim and any intervening claims. Applicant notes that the preamble of Claim 10 (and some dependents) was amended to recite "a method" rather than "an apparatus" to correct a typographical error. For at least this reason, Claims 3 and 10 are allowable, as are Claims 4-7 and 11-14 that depend therefrom. Reconsideration and favorable action are requested.

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CONCLUSION

Applicant has now made an earnest attempt to place this case in condition for immediate allowance. For the foregoing reasons and for other apparent reasons, Applicant respectfully requests allowance of all pending claims.

If the Examiner feels that prosecution of the present Application may be advanced in any way by a telephone conference, the Examiner is invited to contact the undersigned attorney at 214-953-6447.

The Commissioner is hereby authorized to charge the additional filing fee of \$200.00 to cover for an additional independent claim. The Commissioner is authorized to charge any other additional fee or credit any overpayment to Deposit Account No. 02-0384 of BAKER BOTTS L.L.P.

Respectfully submitted,

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